


# INTERNATIONAL SEARCH REPORT

International application No.  
**PCT/AU03/00084**

<b>A. CLASSIFICATION OF SUBJECT MATTER</b>					
Int. Cl. <sup>7</sup> : C07K 16/28; C12N 5/20; A61K 39/395; A61P 37/02					
According to International Patent Classification (IPC) or to both national classification and IPC					
<b>B. FIELDS SEARCHED</b>					
Minimum documentation searched (classification system followed by classification symbols)					
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched					
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Databases: medline, wpids, ca, biosis, biotechabs Search terms: C5aR, C5a receptor, CD88, antibody, immunoglobulin  Databases: GenPept, PIR, Swiss-PROT, TrEMBL Sequences: SEQ ID NOs: 15, 17, 19, 21, 23, 25					
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>					
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.			
X	FARKAS I. <i>et al.</i> , "C5a receptor expression by TGW neuroblastoma cells", NeuroReport (1999), vol. 10, no. 14, pages 3021-3025 See antibodies C5aR101-106 and C5aR227-243, page 3022, column 1, "Antibodies"	1-2, 6-9; 26-28, 33-39			
X	OPPERMANN M. <i>et al.</i> , "Probing the Human Receptor for C5a Anaphylatoxin with Site-Directed Antibodies. Identification of a Potential Ligand Binding Site on the NH <sub>2</sub> -Terminal Domain", Journal of Immunology (1993), vol. 151, no. 7, pages 3785-3794 See Table I, page 3787	1-51			
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C <span style="margin-left: 100px;"><input checked="" type="checkbox"/> See patent family annex</span>					
<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <p>* Special categories of cited documents:</p> <p>"A" Document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier application or patent but published on or after the international filing date</p> <p>"L" Document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" Document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" Document published prior to the international filing date but later than the priority date claimed</p> </td> <td style="width: 33%; vertical-align: top;"> <p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>"&amp;" document member of the same patent family</p> </td> <td style="width: 33%;"></td> </tr> </table>			<p>* Special categories of cited documents:</p> <p>"A" Document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier application or patent but published on or after the international filing date</p> <p>"L" Document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" Document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" Document published prior to the international filing date but later than the priority date claimed</p>	<p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>"&amp;" document member of the same patent family</p>	
<p>* Special categories of cited documents:</p> <p>"A" Document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier application or patent but published on or after the international filing date</p> <p>"L" Document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" Document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" Document published prior to the international filing date but later than the priority date claimed</p>	<p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>"&amp;" document member of the same patent family</p>				
Date of the actual completion of the international search <b>11 February 2003</b>		Date of mailing of the international search report <b>27 FEB 2003</b>			
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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WATANABE H. <i>et al.</i> , "Analysis of C5a receptor by monoclonal antibody", Journal of Immunological Methods (1995), vol. 185, no. 1, pages 19-29 See abstract	1
A	FAYYAZI A. <i>et al.</i> , "The C5a receptor is expressed in normal renal proximal tubular but not in normal pulmonary or hepatic epithelial cells", Immunology (2000), vol. 99, no. 1, pages 38-45 See abstract and page 39, column 1, "Antibodies"	
A	JAGELS M.A. <i>et al.</i> , "Proteolytic Inactivation of the Leukocyte C5a Receptor by Proteinases Derived from Porphyromonas gingivalis", Infection and Immunity (1996), vol. 64, no. 6, pages 1984-1991 See antibody described in abstract	
A	SCHLAF G. <i>et al.</i> , "Differential Expression of the C5a Receptor on the Main Cell Types of Rat Liver as Demonstrated with a Novel Monoclonal Antibody and by C5a Anaphylatoxin-Induced Ca <sup>2+</sup> Release", Laboratory Investigation (1999), vol. 79, no. 10, pages 1287-1297 See page 1288, column 1, "Results"	
A	SAYAH S. <i>et al.</i> , "Expression of Cytokines by Human Astrocytomas Following Stimulation by C3a and C5a Anaphylatoxins: Specific Increase in Interleukin-6 mRNA Expression", Journal of Neurochemistry (1999), vol. 72, no. 6, pages 2426-2436 See page 2427, column 2, "Antibodies"	
A	EP 0 377 489 A2 (MERCK & CO. INC.), 11 July 1990	
A	WO 95/00164 A1 (THE SCRIPPS RESEARCH INSTITUTE), 5 January 1995 See page 33, lines 18-20 (antibodies raised against N-terminal domain of C5aR)	
A	ELSNER J. <i>et al.</i> , "C3a Activates the Respiratory Burst in Human Polymorphonuclear Neutrophilic Leukocytes Via Pertussis Toxin-Sensitive G-Proteins", Blood (1994), vol. 83, no. 11, pages 3324-3331 See MoAb S5/1 on page 3325, column 1, paragraph 2	

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

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This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report				Patent Family Member			
EP	377489	CA	2006955	JP	2262599	US	5177190
WO	9500164	AU	72485/94	US	5480974		
END OF ANNEX							